



## PORT

### Portable Heater Control/Alarm System



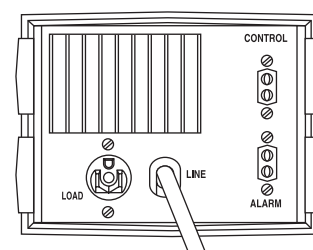
- Fully Wired, Convenient Plug-in Receptacles for Input and Output Connections
- Controls Heater Loads
- Up to 15 Amps @ 120/240 Vac
- Plug-in Controller and Optional Alarm
- Universal Sensor Input
- Power ON/OFF Circuit Breaker
- Digital Indication of Process and Setpoint
- 120/240 Vac Multi-Line Voltage
- Power Handling Capability
  - 3600 Watts @ 240 Vac
  - 1800 Watts @ 120 Vac
- Portable Plastic Case and Bench Top Stand

#### Description

Chromalox/PORT is a highly accurate portable control system for the most demanding laboratory or research application.

A digital display provides setpoint and process readings via front mounted toggle switch. The control package provides 3 mode (PID) with a 15 Amp output capability. Output firing modes include Phase Fire for inductive or transformer loads, Time Proportional or DOT fire (zero crossover) for resistive loads. The optional over-temperature controller is used in applications where excess temperature detection and shutdown are required for process and personnel safety.

#### Dimensions



9" L x 8 1/4" W x 6" H  
(228 x 210 x 152 mm)

Back View

#### Ordering Information

Complete the Model Number using the Matrix provided.

Model	Description
PORT	Portable Heater Control with SCR Power Control. Optional Alarm/High Limit Control, Phase Angle, Time Proportional Zero Crossover Firing 120/240 Vac
<b>Code</b>	<b>SCR Output Firing</b>
1	Phase Angle, 15 Amps @ 120 Vac and 240 Vac
2	Time Proportional Zero Crossover, 15 Amps @ 120 Vac and 240 Vac
<b>Code</b>	<b>Temperature Controller</b>
1	2104-R0000 1/4 DIN (SSR Drive) (Time Proportional Only)
2	2104-A0000 1/4 DIN (Phase Angle Only)
3	1604-61030 1/16 DIN SSR Output/Alarm (Time Proportional Only)
4	1604-71130 1/16 DIN 4-20 mA Output Alarm (Phase Angle Only)
<b>Code</b>	<b>Overtemperature Controller</b>
1	None
2	1600-10030 (High/Low Overtemperature)
<b>Code</b>	<b>Input Type</b>
1	J Thermocouple
2	K Thermocouple
<b>Code</b>	<b>Power</b>
1	120 Vac
2	240 Vac
PORT - 1	2 1 1 1 1
	Typical Model Number

#### Applications

- Laboratory Baths
- Heating Mantels
- Water Baths
- Flask Heaters
- Heating Tapes
- Reactors
- Hot Plates